

Set	Items	Description
S1	587114	RECORD? ? OR DOCUMENT? OR PUBLICATION? ? OR PAGE? OR DATAFILE? OR FLATFILE OR FLAT()FILE?
S2	2365318	FIELD? OR AREA? OR REGION? OR SEGMENT? OR PHRASE? OR SENTENCE? OR PARAGRAPH?
S3	3652295	COMPAR? OR MATCH? OR FIND? OR LOCAT? OR SAME? OR IDENTICAL? OR EQUIVALENT?
S4	15723	S1(2N) (TWO OR SECOND OR ANOTHER OR PAIR OR 2ND OR PLURAL?)
S5	1300837	COMBIN? OR MERG? OR INTEGRAT?
S6	426778	TEMPORAR? OR BUFFER? OR CACHE?
S7	3499967	OUTPUT? OR SEND? OR DELIVER? OR DOWNLOAD? OR PRINT?
S8	589519	PARTIAL? OR SEGMENT? OR MATCHING() (AREA? OR PHRASE? OR TERM? OR FIELD?)
S9	1711185	DELET? OR REMOV? OR WIPE? OR ERAS? OR SCRUB?
S10	12	S4 AND S2 AND S3 AND S5 AND S6
S11	2	S4 AND S2 AND S3 AND S7 AND S8 AND S9
S12	6	S3 AND S4 AND S7 AND S8 AND S9
S13	400	S3 AND S4 AND S5
S14	35	S8 AND S13
S15	45	S10 OR S11 OR S12 OR S14
S16	38	S15 NOT AD=20010111:20030111
S17	36	S16 NOT AD=20030111:20050701
S18	36	IDPAT (sorted in duplicate/non-duplicate order)
S19	36	IDPAT (primary/non-duplicate records only)
S20	116	S13 AND S2
S21	12	S20 AND IC=G06F-007
S22	9	S21 NOT S15
S23	7	S22 NOT AD>20010117
S24	1336702	TEXT? OR DOCUMENT? OR WORD? ? OR PHRASE? OR PARAGRAPH? OR - TERMS OR TERM OR CHARACTER()STRING? OR SEGMENT?
S25	20127	S3(2N)S24
S26	121	S5 AND S6 AND S25
S27	67	S26 AND IC=G06F
S28	11243	S24(5N)S5
S29	21	S27 AND S28
S30	20	S29 NOT S15
S31	19	S30 NOT AD=20010111:20030111
S32	18	S31 NOT AD=20030111:20050701
S33	18	IDPAT (sorted in duplicate/non-duplicate order)
S34	18	IDPAT (primary/non-duplicate records only)

File 347:JAPIO Nov 1976-2005/Feb(Updated 050606)
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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200537
(c) 2005 Thomson Derwent

34/5/9 (Item 9 from file: 347)
DIALOG(R) File 347:JAPIO
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05429684 **Image available**
KANA-KANJI CONVERTER

PUB. NO.: 09-044484 [JP 9044484 A]
PUBLISHED: February 14, 1997 (19970214)
INVENTOR(s): OIKE YOKO
APPLICANT(s): BROTHER IND LTD [000526] (A Japanese Company or Corporation),
JP (Japan)
APPL. NO.: 07-192973 [JP 95192973]
FILED: July 28, 1995 (19950728)
INTL CLASS: [6] **G06F-017/22**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD: R139 (INFORMATION PROCESSING -- Word Processors)

ABSTRACT

PROBLEM TO BE SOLVED: To improve conversion efficiency by rewriting the contents of a pertinent conversion result storage means in accordance with the rewriting information on a retrieved rule.

SOLUTION: A retrieval processing as to whether the rule having the **combination** of the **word** patterns **matching** with the **combination** of the **words** of a conversion result storage area 31 exists in a rule dictionary 49 or not is performed by the rule retrieval program 143 in a ROM 40. When the required rule exists, further, whether the rule selection flag of the rule is active or nonactive is checked by a rule selection program 45. When the flag is active, the **combination** part of the **words matching** with the **combination** of the **word** patterns of the rule of the words in the conversion result storage area 31 is rewritten by the rule rewriting program 44 in the ROM 40 in accordance with the rewriting information on the rule. Thus, a rule conversion processing is terminated, the contents of the conversion result storage area 31 is stored in an output **buffer** area 33 and the candidate display of the contents on an output device 50 is performed.

Set	Items	Description
S1	1819328	RECORD? ? OR DOCUMENT? OR PUBLICATION? ? OR PAGE? OR DATAFILE? OR FLATFILE OR FLAT() FILE?
S2	9836983	FIELD? OR AREA? OR REGION? OR SEGMENT? OR PHRASE? OR SENTENCE? OR PARAGRAPH?
S3	12450681	COMPAR? OR MATCH? OR FIND? OR LOCAT? OR SAME? OR IDENTICAL? OR EQUIVALENT?
S4	26902	S1(2N) (TWO OR SECOND OR ANOTHER OR PAIR OR 2ND OR PLURAL?)
S5	4979493	COMBIN? OR MERG? OR INTEGRAT?
S6	440004	TEMPORAR? OR BUFFER? OR CACHE?
S7	1993424	OUTPUT? OR SEND? OR DELIVER? OR DOWNLOAD? OR PRINT?
S8	1688303	PARTIAL? OR SEGMENT? OR MATCHING() (AREA? OR PHRASE? OR TERM? OR FIELD?)
S9	1246216	DELET? OR REMOV? OR WIPE? OR ERAS? OR SCRUB?
S10	1	S4 AND S2 AND S3 AND S5 AND S6
S11	2	S4 AND S2 AND S3 AND S7 AND S8 AND S9
S12	3	S3 AND S4 AND S7 AND S8 AND S9
S13	982	S3 AND S4 AND S5
S14	73	S8 AND S13
S15	76	S10 OR S11 OR S12 OR S14
S16	3894081	TEXT OR TEXTUAL OR DOCUMENT? OR WORD? ? OR PHRASE? OR PARAGRAPH? OR TERM OR TERMS OR (CHARACTER OR TEXT) (N) (STRING? OR SEGMENT?)
S17	68276	S3(2N) S16
S18	26648	S16(2N) (MATCHING OR SIMILAR OR SAME OR IDENTICAL OR EQUAL - OR EQUIVALENT)
S19	1	S18 AND S4 AND S5 AND (S6 OR WORKSPACE? OR WORK() (SPACE? OR AREA?) OR CLIPBOARD?)
S20	1	S18 AND S4 AND (S6 OR WORKSPACE? OR WORK() (SPACE? OR AREA?) OR CLIPBOARD?)
S21	47	S18 AND S5 AND (S6 OR WORKSPACE? OR WORK() (SPACE? OR AREA?) OR CLIPBOARD?)
S22	291	S18 AND (S6 OR WORKSPACE? OR WORK() (SPACE? OR AREA?) OR CLIPBOARD?)
S23	59	S22 AND (S7 OR S8 OR S9)
S24	171	S15 OR S19 OR S20 OR S21 OR S23
S25	132	RD (unique items)
S26	88	S25 NOT PY>2001
File	8: Ei	Compendex(R) 1970-2005/Jun W1 (c) 2005 Elsevier Eng. Info. Inc.
File	35:	Dissertation Abs Online 1861-2005/May (c) 2005 ProQuest Info&Learning
File	65:	Inside Conferences 1993-2005/Jun W2 (c) 2005 BLDSC all rts. reserv.
File	2:	INSPEC 1969-2005/Jun W1 (c) 2005 Institution of Electrical Engineers
File	94:	JICST-EPlus 1985-2005/Apr W4 (c) 2005 Japan Science and Tech Corp (JST)
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File	6:	NTIS 1964-2005/Jun W1 (c) 2005 NTIS, Intl Cpyrghrt All Rights Res
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File	99:	Wilson Appl. Sci & Tech Abs 1983-2005/May (c) 2005 The HW Wilson Co.
File	95:	TEME-Technology & Management 1989-2005/May W2 (c) 2005 FIZ TECHNIK

26/5/6 (Item 6 from file: 8)
DIALOG(R)File 8: Ei Compendex(R)
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Title: Evaluating spatial correspondence of zones in document recognition systems

Author: Garriss, Michael D.

Corporate Source: Natl Inst of Standards and Technology, Gaithersburg, MD, USA

Conference Title: Proceedings of the 1995 IEEE International Conference on Image Processing. Part 3 (of 3)

Conference Location: Washington, DC, USA Conference Date: 19951023-19951026

Sponsor: IEEE

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Document Type: CA; (Conference Article) Treatment: T; (Theoretical)

Journal Announcement: 9603W3

Abstract: This paper introduces scoring methods developed to automatically assess the performance of document recognition systems; specifically, to evaluate the spatial correspondence of zones produced by a **document segmentor**. Two different approaches are discussed. The first approach (based on zone overlap and nearest-neighbors) is better applied to **merged** zones, whereas the second approach (based on zone alignments) is better applied to nested zones (such as those found in tables and graphs). Definitions of coverage and efficiency error are presented, and scoring results on real system output is provided that validates the usefulness of these methods to **compare** different document recognition algorithms. Currently, no standard testing procedures exist for measuring and **comparing** algorithms within a complex document recognition system. Scoring methods, like the ones introduced in this paper, serve as design and validations tools, expediting the development and deployment of document analysis technology for system developers and end users. (Author abstract) 13 Refs.

Descriptors: *Pattern recognition systems; Imaging systems; Database systems; Image **segmentation**; Real time systems; Algorithms; Image analysis; Errors; Information technology; Systems analysis

Identifiers: Document recognition systems; Document **segmentor**; Reference zones; Scoring methods; Document analysis technology; Pixels; Polygons

Classification Codes:

723.5 (Computer Applications); 723.2 (Data Processing); 723.3 (Database Systems); 902.2 (Codes & Standards); 921.4 (Combinatorial Mathematics, Includes Graph Theory, Set Theory)

723 (Computer Software); 741 (Optics & Optical Devices); 902 (Engineering Graphics & Standards); 921 (Applied Mathematics)

72 (COMPUTERS & DATA PROCESSING); 74 (OPTICAL TECHNOLOGY); 90 (GENERAL ENGINEERING); 92 (ENGINEERING MATHEMATICS)

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S3	12450681	COMPAR? OR MATCH? OR FIND? OR LOCAT? OR SAME? OR IDENTICAL? OR EQUIVALENT?
S4	26902	S1(2N) (TWO OR SECOND OR ANOTHER OR PAIR OR 2ND OR PLURAL?)
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S20	1	S18 AND S4 AND (S6 OR WORKSPACE? OR WORK() (SPACE? OR AREA?) OR CLIPBOARD?)
S21	47	S18 AND S5 AND (S6 OR WORKSPACE? OR WORK() (SPACE? OR AREA?) OR CLIPBOARD?)
S22	291	S18 AND (S6 OR WORKSPACE? OR WORK() (SPACE? OR AREA?) OR CLIPBOARD?)
S23	59	S22 AND (S7 OR S8 OR S9)
S24	171	S15 OR S19 OR S20 OR S21 OR S23
S25	132	RD (unique items)
S26	88	S25 NOT PY>2001
S27	12	S15 AND S17
S28	9	S27 NOT S26
S29	5	RD (unique items)
S30	1	S29 NOT PY>2001
S31	10	S18 AND JOIN? AND S4
S32	10	S31 NOT S25
S33	7	RD (unique items)
File	8: Ei Compendex(R) 1970-2005/Jun W1	(c) 2005 Elsevier Eng. Info. Inc.
File	35: Dissertation Abs Online 1861-2005/May	(c) 2005 ProQuest Info&Learning
File	65: Inside Conferences 1993-2005/Jun W2	(c) 2005 BLDSC all rts. reserv.
File	2: INSPEC 1969-2005/Jun W1	(c) 2005 Institution of Electrical Engineers
File	94: JICST-EPlus 1985-2005/Apr W4	(c) 2005 Japan Science and Tech Corp (JST)
File	111: TGG Natl. Newspaper Index(SM) 1979-2005/Jun 14	(c) 2005 The Gale Group
File	6: NTIS 1964-2005/Jun W1	(c) 2005 NTIS, Intl Cpyrght All Rights Res
File	144: Pascal 1973-2005/Jun W1	(c) 2005 INIST/CNRS
File	34: SciSearch(R) Cited Ref Sci 1990-2005/Jun W1	(c) 2005 Inst for Sci Info
File	99: Wilson Appl. Sci & Tech Abs 1983-2005/May	(c) 2005 The HW Wilson Co.

File 95:TEME-Technology & Management 1989-2005/May W2
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30/5/1 (Item 1 from file: 2)

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5256047 INSPEC Abstract Number: C9606-5260B-164

Title: Evaluating spatial correspondence of zones in document recognition systems

Author(s): Garris, M.D.

Author Affiliation: Nat. Inst. of Stand. & Technol., Gaithersburg, MD, USA

Conference Title: Proceedings.. International Conference on Image Processing (Cat. No.95CB35819) Part vol.3 p.304-7 vol.3

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1995 Country of Publication: USA 3 vol. (xliiii+664+666+672) pp.

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Conference Sponsor: IEEE Signal Process. Soc

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Language: English Document Type: Conference Paper (PA)

Treatment: Theoretical (T); Experimental (X)

Abstract: This paper introduces scoring methods developed to automatically assess the performance of document recognition systems, specifically, to evaluate the spatial correspondence of zones produced by a **document segmentor**. **Two** different approaches are discussed. The first approach (based on zone overlap and nearest-neighbors) is better applied to **merged** zones, whereas the second approach (based on zone alignments) is better applied to nested zones (such as those found in tables and graphs). Definitions of coverage and efficiency error are presented, and scoring results on real system output is provided that validates the usefulness of these methods to **compare** different **document** recognition algorithms. Currently, no standard testing procedures exist for measuring and **comparing** algorithms within a complex document recognition system. Scoring methods, like the ones introduced in this paper, serve as design and validations tools, expediting the development and deployment of document analysis technology for system developers and end users. (13 Refs)

Subfile: C

Descriptors: document image processing; image recognition; image **segmentation**

Identifiers: spatial correspondence; document recognition systems; document **segmentor**; zone overlap; nearest neighbors; **merged** zones; zone alignments; nested zones; tables; graphs; coverage; efficiency error; scoring results; system output; document recognition algorithms; scoring methods; validations tools; design tools; document analysis technology

Class Codes: C5260B (Computer vision and image processing techniques); C6130D (Document processing techniques)

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